



2875

Docket No. 9438-0014
IN RE APPLICATION OF: Hiroyuki KANO
SERIAL NO: 09/461,756
CPA FILED: October 23, 2002
FOR: LIGHT-RECEIVING DEVICE WITH QUANTUM-WAVE INTERFERENCE LAYERS

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TC 2800 MAIL ROOM

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is an amendment in the above-identified application.

- ☒ No additional fee is required
☒ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
☒ Additional documents filed herewith: Marked-Up Copy, (7) Attachments

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	29	MINUS	31	0	x \$18 =	\$0.00
INDEPENDENT	1	MINUS	3	0	x \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

- ☐ A check in the amount of **\$0.00** is attached.
- ☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030.

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
Hiroyuki KANO : GROUP: 2815
SERIAL NO: 09/461,756 : EXAMINER: Baumeister, B.
CPA FILED: October 23, 2002 :
FOR: LIGHT-RECEIVING DEVICE :
WITH QUANTUM-WAVE :
INTERFERENCE LAYERS :

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to an examination on the merits, please amend the above-identified patent application as follows:

IN THE CLAIMS

Please cancel Claims 2-4 without prejudice.

Please amend Claim 1 as shown in the marked-up copy attached to read as follows:

--1. (Amended) A light-receiving device which converts an incident light into an electric current, comprising:

C1 quantum-wave interference layer units having plural periods of a pair of a first layer and a second layer, said second layer having a wider band gap than said first layer; and a carrier accumulation layer disposed between adjacent two of said quantum-wave interference layer units;